



BS&B SAFETY SYSTEMS, INC.
BS&B SAFETY SYSTEMS LTD.

FLUSH-MOUNTED SAFETY HEAD ASSEMBLY STA-KUL™ EXTRUDERS INSTALLATION INSTRUCTIONS

BULLETIN
77-7006I

- ◆ **NEW INSTALLATIONS**
- ◆ **ORDER REPLACEMENTS BY PART NUMBER OR LOT NUMBER**

3. Safety head and disk materials should be compatible with your process.

CAUTION – VENT TO SAFE AREA

1. Do not locate where personnel or property could be exposed to the product being discharged through the disk. Any equipment or property in the vicinity of the discharge could be damaged.
2. Consider recoil or "kickback." Recoil is the force the system will experience upon rupture. Recoil is approximately twice the disk rating (psig) times the relief area (in.2). Provide adequate support for piping and connections.

BEFORE YOU INSTALL THE SAFETY HEAD:

1. Check the seating area.
Inspect and clean the receiving threads. Use thread chase or some other cleaning device. Threads must be clean and in good condition. Also check seat area for nicks, scratches or any foreign material. See Fig. 1.



Figure 1

2. Inspect the Safety Head Assembly.
Handle the disk area carefully – it is a precision instrument. Examine the pre-bulged surface. Do not install the disk if there is any damage in the dome. A damaged disk is any disk with visible nicks, dents or scratches that show through. Installation of a damaged disk may result in premature rupture of the disk.



INSTALLATION

1. Insert Safety Head Assembly into pre-tapped opening and tighten by hand until fully seated. Be sure that the assembly is FULLY seated. See Fig. 2.

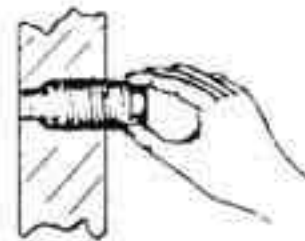


Figure 2

2. For Safety Head Assemblies having pipe threads; use teflon tape, pipe dome or other pipe thread sealants as required if compatible with process.

3. Start threading by hand to ensure that threads are in good condition.
4. Tighten as required to prevent leakage. Do not over tighten. Place wrench or socket only on the designated hex faces of the Safety Head. After tightening by hand, rotate the assembly 1/4 turn with the appropriate tool (i.e. wrench, screwdriver, spanner, etc.) See Fig. 3.



Figure 3

Removing Safety Head Assembly:

1. Loosen the Safety Head Assembly with the appropriate tool. Take care not to damage the body of the unit.
2. The Sta-Kul assembly is intended for one time use only. Dispose of the used assembly.
3. Install a new assembly as previously described.
4. If returning to BS&B for re-disking, the Safety Head Assembly **MUST BE CLEAN AND FREE OF ALL PRODUCT.**

CAUTION- Corrosion and service conditions may affect disk life thus requiring periodic change.

LIMITATIONS OF WARRANTIES

WARRANTY - "THE EXPRESSED WARRANTIES HEREINAFTER GIVEN BY BS&B SAFETY SYSTEMS, INC. ARE EXCLUSIVE AND IN LIEU OF ALL WARRANTIES EXPRESSED OR IMPLIED, BY OPERATION OF LAW OR OTHERWISE, INCLUDING, WITHOUT LIMITATION ANY IMPLIED WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE. BS&B Safety Systems, Inc. warrants its products against defective workmanship and material under normal and proper use in service for twelve (12) months of the date of shipment when owned by the original purchaser and only when subjected to normal operating conditions outlined by purchaser when order is placed: except that rupture disks are not guaranteed except to burst within specified pressure ranges at temperatures specified at time of sale.

Where the products involved include a rupture disks inside a rupture disk holder, each must be of the proper type to be utilized with its mating part as otherwise recommended by and manufactured by BS&B. Substitution of either a rupture disk or rupture disk holder not manufactured by BS&B voids the aforementioned warranty and BS&B SPECIFICALLY DISCLAIMS ANY AND ALL LIABILITY FOR DAMAGES, EITHER DIRECT OR INDIRECT, INCIDENTAL OR CONSEQUENTIAL, ARISING FROM THE USE OF ASSEMBLIES NOT WHOLLY COMPRISED OF BS&B MANUFACTURED PRODUCTS. Except for the express warranty set forth herein, BS&B shall have no obligations or liabilities connected with or resulting from the sale, installation or use of the equipment supplied by BS&B and final determination of the suitability of the products for the use contemplated by the Buyer is the sole responsibility of the Buyer."

There is no guarantee against any corrosion or erosion caused by acids, chemicals, their fumes, or the like.



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For assistance on installation, audits, training or technical advice, please contact our Customer Service Department.

BS&B Safety Systems, Inc.
7455 East 46th Street
Tulsa, OK 74145
Telephone: 918-622-5950
Facsimile: 918-665-3904
www.bsbsystems.com

or

BS&B Safety Systems Ltd.
Raheen Business Park
Raheen, Limerick, Ireland
Telephone: +353 61 227022
Facsimile: +353 61 227987
www.bsb.ie